

TWO NEW ORCHIDS FROM YUCATAN AND TRINIDAD

BY

OAKES AMES AND CHARLES SCHWEINFURTH

Among orchids sent to us for identification there are two undescribed species, a *Pleurothallis* submitted by the Field Museum of Natural History and an *Epidendrum* collected by W. E. Broadway. These may be characterized as follows:

Pleurothallis yucatanensis Ames & Schweinfurth, *sp. nov.*

Herba epiphytica, pusilla. Rhizoma repens, caulibus numerosis brevissimis ornatum. Folia oblanceolata, apice rotundato minute bilobulata. Racemi laxiflori, pauciflori. Flores pusilli. Sepala lateralia anguste lanceolata, uninervia. Sepalum dorsale majus, lanceolatum, concavum. Petala triangulari-lineararia. Labelium oblongum, apice late rotundatum, parte inferiore leviter dilatata. Columna apice alato-dilatata.

Plant very small, up to 5 cm. tall, epiphytic, recalling *P. sertularioides* Lindl. Rhizome creeping, entirely invested by imbricating scarious nervose sheaths. Roots fibrous, glabrous, stout for the plant. Stems very short, approximate, ascending, unifoliate, about 2.5 mm. long, when young entirely invested by imbricating tubular scarious sheaths. Leaf oblanceolate, 8–15 mm. long, about 2.8–3.5 mm. wide, broadly rounded at the apex with a minutely bilobed apiculate tip, gradually narrowed to a 1-jointed petiole, very rugose in the dried specimen. Inflorescence conspicuously surpassing the leaf, solitary, about 3 cm. tall; peduncle capillary, adorned below the middle with one close tubular sheath; racemes very lax, 2- to 5-flowered. Floral bracts loose, infundibuliform,

twice or thrice surpassed by the slender ascending pedicels. Flowers small, segments of the perianth subparallel, slightly thickened toward the apex. Lateral sepals free, narrowly lanceolate, 2.5 mm. long, 1- or obscurely 3-nerved, acute, carinate on the outer side. Dorsal sepal slightly longer, lanceolate, about 2.8 mm. long, obtuse, concave, obscurely 3-nerved. Petals linear-triangular, 2.5 mm. long, 1-nerved, acute, slightly oblique. Labellum much shorter, simple, very shortly clawed; lamina oblong or lanceolate-oblong in outline with the erect sides of the lower half slightly dilated from a cuneate base, about 1.4 mm. long, broadly rounded at the apex, 3-nerved, minutely auriculate at base. Column short, almost 1.2 mm. long, with an abrupt quadrate wing on either side of the upper half, extended in a foot. Anther cupuliform.

Pleurothallis yucatanensis suggests *P. sertularioides* Lindl., but differs in having racemose inflorescences and simple lip.

MEXICO, Yucatan, Campeche, Tuxpeña, C. L. Lundell 912, November 8, 1931. Common on tree trunks and old logs. (TYPE in Herb. Ames No. 37882).

Epidendrum Broadwayi Ames & Schweinfurth, *sp. nov.*

Herba humilis, epiphytica. Caules caespitosi, tenuiter subclavati, omnino velati, mono-vel diphylli. Folia anguste linearia, graminea, acuta. Inflorescentia singula, quam folia multo brevior, laxe racemosa. Sepala lateralia oblique elliptico-lanceolata, apice conspicue carinato-mucronata. Sepalum dorsale oblanceolato-oblongum. Petala oblanceolato-linearia. Labellum apici columnae adnatum, trilobatum, lobo terminali majore subquadrato triangulaculo-acuto vel retuso et apiculato.

Plant small, epiphytic, up to 17 cm. tall, closely related to *E. tipuloideum* Lindl. Stems approximate, slenderly subclavate, about 4–5.5 cm. high, altogether invested by close tubular scarious sheaths which waste into fibres, one- or commonly two-leaved at the apex, rugose in the dried state. Leaves narrowly linear, up to 11.7 cm. long and 4.2 mm. wide (generally much shorter), acute, the mid-nerve more or less prominently sulcate above and carinate beneath. Inflorescence much shorter than the leaves, the longest scape about 4.5 cm. high, clasped at the base by a loose tubular sheath which is up to 1.6 cm. long. Raceme loosely 4– to 7–flowered. Floral bracts minute, lanceolate, membranaceous, many times exceeded by the slender pedicels. Pedicellate ovary up to 1.3 cm. long, laxly spreading. Flowers large for the plant, yellow in the dried specimen, rather fleshy in texture. Lateral sepals obliquely elliptic-lanceolate, prominently adnate to the column at the base, 11 mm. long, 3.2–4 mm wide, dorsally carinate-mucronate at the tip, prominently 7–nerved near the base. Dorsalsepal oblong-elliptic or oblanceolate-oblong, about 10 mm. long, 3.1–3.7 mm. wide, acute, conspicuously 7–nerved below. Petals oblanceolate-linear, 8.6–9.3 mm. long, more or less oblique, acute, 3–nerved. Labellum adnate to the apex of the column, 3–lobed; lamina about 5.1–5.5 mm. long from the center of the cordate base to the tip, about 6.4 mm. wide when expanded, bicallose at base; lateral lobes semiovate or rounded, obtuse, extending to about half the length of of the lip, erose on the margins; terminal lobe much larger, irregularly subquadrate, with a prominent triangular acute apex, or retuse and apiculate. Column stout, about 6.2 mm. long, dilated above. Anther broadly ovoid. Pollinia 4, complanate-ovoid.

Epidendrum Broadwayi is very similar in habit to

Epidendrum tipuloideum Lindl., but it has a dissimilar anterior lobe of the lip and 3-nerved petals. The flowers also are apparently of a different color, being yellow in the dried specimen.

TRINIDAD, North coast, Saut d'Eau *W. E. Broadway* 7444, January 18, 1931. Grows in tufts on a tree. (TYPE in Herb. Ames No. 37893).